



SEQUENCE LISTING

<110> Wei, Dong
Halenbeck, Robert
Williams, Lewis T.

<120> NOVEL PROTEIN ASSOCIATED WITH CELL
STRESS RESPONSE

<130> 200130.471/1561.003

<140> 09/544,776

<141> 2000-04-07

<160> 11

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<210> 1

<211> 2240

<212> DNA

<213> Homo sapiens

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<210> 2

<211> 373

<212> PRT

<213> Homo sapien

<400> 2

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Asp Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp
35 40 45
Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly Leu Ser
50 55 60
Ala Ala Pro Val Pro Thr Ala Pro Ala Ala Gly Ala Pro Leu Met Asp
65 70 75 80
Phe Gly Asn Asp Phe Val Pro Pro Ala Pro Arg Gly Phe Leu Pro Ala
85 90 95
Ala Pro Pro Val Ala Pro Glu Arg Gln Pro Ser Trp Asp Pro Ser Pro
100 105 110
Val Ser Ser Thr Val Pro Ala Pro Ser Phe Leu Ser Ala Ala Ala Val
115 120 125
Ser Pro Ser Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro
130 135 140
Pro Pro Pro Pro Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr
145 150 155 160
Pro Pro Ala Pro Ala Pro Ala Ala Pro Pro Ser Thr Pro Ala Ala Pro
165 170 175
Lys Arg Arg Gly Ser Ser Gly Ser Val Val Val Asp Leu Leu Tyr Trp
180 185 190
Arg Asp Ile Lys Lys Thr Gly Val Val Phe Gly Ala Ser Leu Phe Leu
195 200 205
Leu Leu Ser Leu Thr Val Phe Ser Ile Val Ser Val Thr Ala Tyr Ile
210 215 220
Ala Leu Ala Leu Leu Ser Val Thr Ile Ser Pro Arg Ile Tyr Lys Gly
225 230 235 240
Val Ile Gln Ala Ile Gln Lys Ser Asp Glu Gly His Pro Phe Arg Ala
245 250 255
Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu Glu Leu Val Gln Lys Tyr
260 265 270
Ser Asn Ser Ala Leu Gly His Val Asn Cys Thr Ile Lys Glu Leu Arg
275 280 285
Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser Leu Lys Phe Ala Val
290 295 300

Leu Met Trp Val Phe Thr Tyr Val Gly Ala Leu Phe Asn Gly Leu Thr
 305 310 315 320
 Leu Leu Ile Leu Ala Leu Ile Ser Leu Phe Ser Val Pro Val Ile Tyr
 325 330 335
 Glu Arg His Gln Ala Gln Ile Asp His Tyr Leu Gly Leu Ala Asn Lys
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 Lys Arg Lys Ala Glu
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<220>
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<400> 3
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<220>
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 <213> Artificial Sequence

<220>
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<210> 6
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<400> 7

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<210> 8
 <211> 371
 <212> PRT
 <213> Homo sapiens

<400> 8

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 35 40 45
 Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly Leu Ser
 50 55 60
 Ala Ala Pro Val Pro Thr Ala Pro Ala Ala Gly Ala Pro Leu Met Asp
 65 70 75 80
 Phe Gly Asn Asp Phe Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala
 85 90 95
 Ala Pro Pro Val Ala Pro Glu Arg Gln Pro Ser Trp Asp Pro Ser Pro
 100 105 110
 Val Ser Ser Thr Val Pro Ala Pro Ser Pro Leu Ser Ala Ala Ala Val
 115 120 125
 Ser Pro Ser Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro
 130 135 140
 Pro Pro Pro Pro Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr
 145 150 155 160
 Pro Pro Ala Pro Ala Pro Ala Ala Pro Pro Ser Thr Pro Ala Ala Pro
 165 170 175
 Lys Arg Arg Gly Ser Ser Gly Ser Val Val Val Asp Leu Leu Tyr Trp
 180 185 190
 Arg Asp Ile Lys Lys Thr Gly Val Val Phe Gly Ala Ser Leu Phe Leu
 195 200 205
 Leu Leu Ser Leu Thr Val Phe Ser Ile Val Ser Val Thr Ala Tyr Ile
 210 215 220
 Ala Leu Ala Leu Leu Ser Val Thr Ile Ser Phe Arg Ile Tyr Lys Gly
 225 230 235 240
 Val Ile Gln Ala Ile Gln Lys Ser Asp Glu Gly His Pro Phe Arg Ala
 245 250 255
 Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu Glu Leu Val Gln Lys Tyr
 260 265 270
 Ser Asn Ser Ala Leu Gly His Val Asn Cys Thr Ile Lys Glu Leu Arg
 275 280 285
 Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser Leu Lys Phe Ala Val
 290 295 300
 Leu Met Trp Val Phe Thr Tyr Val Gly Ala Leu Phe Asn Gly Leu Thr
 305 310 315 320
 Leu Leu Ile Leu Ala Leu Ile Ser Leu Phe Ser Val Pro Val Ile Tyr
 325 330 335
 Glu Arg His Gln Ala Gln Ile Asp His Tyr Leu Gly Leu Ala Asn Lys
 340 345 350
 Asn Val Lys Asp Ala Met Ala Lys Ile Gln Ala Lys Ile Pro Gly Leu
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 Lys Arg Lys
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<210> 9
 <211> 205
 <212> PRT
 <213> Homo sapiens

<400> 9

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 20 25 30
 Gly Val Gln Gln Val Pro Pro Asn Met Val Leu Tyr Gly Leu Ala Leu
 35 40 45
 Phe Leu Thr Leu Phe Val Met Ala Pro Val Phe Glu Glu Ile Tyr Asp
 50 55 60
 Arg Ala His Gln Pro Leu Leu Asp Ala Leu Ser Asn Ile Ile Ser Leu
 65 70 75 80
 Gln Glu Ala Leu Asp Lys Gly Leu Glu Pro Leu Arg Glu Phe Met Leu
 85 90 95
 Lys His Thr Asp Glu Lys His Glu Leu Ala Leu Phe Met Arg Ser Ala
 100 105 110
 Arg Glu Glu Arg Leu Trp Pro Lys Glu Met Lys Ala Ala Thr Leu Glu
 115 120 125
 Lys Asp Asp Leu Leu Val Leu Ile Pro Ala Phe Val Leu Ser Glu Leu
 130 135 140
 Lys Arg Ala Phe Glu Ile Gly Phe Leu Ile Tyr Leu Pro Phe Ile Val
 145 150 155 160
 Ile Asp Leu Val Val Ala Ser Ile Leu Met Ala Met Gly Met Met Met
 165 170 175
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 180 185 190
 Leu Val Asp Gly Trp Thr Leu Leu Leu Gly Gly Leu Val
 195 200 205

<210> 10
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 10

Leu Phe Leu Leu Leu Ser Leu Thr Val Phe Ser Ile Val Ser Val Thr
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 20 25 30
 Tyr Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp Glu Gly His Pro
 35 40 45
 Phe Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu Glu Leu Val
 50 55 60
 Gln Lys Tyr Ser Asn Ser Ala Leu Gly His Val Asn Cys Thr Ile Lys
 65 70 75 80
 Glu Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser Leu Lys
 85 90 95
 Phe Ala Val Leu Met Trp Val Phe Thr Tyr Val Gly Ala Leu Phe Asn
 100 105 110

Gly Leu Thr Leu Leu Ile Leu Ala Leu Ile
115 120

<210> 11
<211> 5
<212> PRT
<213> Homo sapiens

<400> 11
Lys Arg Tyr Ala Glu
1 5
